

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method for generating training data $[(D_T)]$ for an automatic speech ~~recognizer~~ ~~recogniser~~ (2) ~~for~~ operating at a ~~particular~~ first sampling frequency $[(f_H)]$, comprising the following steps:

deriving spectral characteristics $[(S_L)]$ from audio data $[(D_L)]$ sampled at a second frequency $[(f_L)]$ lower than the first sampling frequency $[(f_H)]$;

extending $[(the)]$ a bandwidth of the spectral characteristics $[(S_L)]$ by retrieving bandwidth extending information $[(I_{BE})]$ from a codebook $[(6)]$ so that the audio data sampled at the second frequency is compatible with the automatic speech recognizer operating at the first sampling frequency; and

processing the bandwidth extended spectral characteristics $[(S_{LE})]$ to give the required training data $[(D_T)]$.

2. (Currently Amended) A method according to claim 1, where the conversion of audio data (D_H-D_L) into sets of spectral characteristics (S_H-S_L) comprises calculating the FFT of the audio data (D_H-D_L) to give a set of Fourier coefficients $[(31)]$ and filtering the output of the FFT with a filterbank $[(22)]$ to give a set of filterbank power values $[(32)]$.

3. (Currently Amended) A method according to claim 2, where the conversion of audio data (D_H-D_L) into sets of spectral characteristics (S_H-S_L) comprises processing the FFT coefficients $[(31)]$ or the filterbank power values $[(32)]$ to give a set of log-spectral coefficients $[(33)]$.

4. (Currently Amended) A method according to claim 1, where the processing of bandwidth extended spectral characteristics $[(S_{LE})]$ comprises a step of altering the spectrum to adjust signal properties of the audio data $[(D_L)]$.

5. (Currently Amended) A method according to claim 4, where the step of altering the spectrum to adjust the signal properties of the audio data $[(D_L)]$ is performed in the linear domain.
6. (Currently Amended) A method according to claim 1, where the derivation of the spectral characteristics $[(S_L)]$ from audio data $[(D_L)]$ is followed by a step subtracting the mean spectrum from the spectral characteristics $[(S_L)]$.
7. (Currently Amended) A method for training an automatic speech recognition system $[(2)]$ wherein the data $[(D_T)]$ used for training are at least partially generated using a method according to claim 1.
- 8 - 13. (Cancelled)
14. (Currently Amended) A system $[(1)]$ for generating training data $[(D_T)]$ for an automatic speech ~~processor recogniser (2)~~ operating at a ~~particular~~ first sampling frequency $[(f_H)]$, comprising:
- a converter $[(3)]$ for deriving spectral characteristics $[(S_L)]$ from audio data $[(D_C)]$ sampled at a second frequency $[(f_L)]$ lower than the first sampling frequency $[(f_H)]$;
 - a retrieval unit $[(4)]$ for retrieving bandwidth extending information for the spectral characteristics $[(S_L)]$ from a codebook $[(6)]$ so that the audio data sampled at the second frequency is compatible with the automatic speech recognizer operating at the first sampling frequency;
 - a processing module $[(7)]$ for processing the bandwidth-extended spectral characteristics $[(S_{LE})]$ to give the required training data $[(D_T)]$.

15. (Cancelled)